



REQUEST FOR QUALIFICATION – LBNL Reference No. RFQ - RK01-17 COMMISSIONING AUTHORITY FOR NERSC9 FACILITIES UPGRADE PROJECT

1. INTRODUCTION

The University of California (hereinafter “University”) is soliciting a Statement of Qualifications (“SOQ”) from Commissioning Teams comprised of professionals with relevant and applicable experience, qualifications, and capabilities (“Offerors”) for a Fixed Price Subcontract for Architect-Engineer Services (“Subcontract”) to provide Commissioning Services for the NERSC9 FACILITIES UPGRADES PROJECT at Lawrence Berkeley National Laboratory (“LBNL”), Shyh Wang Hall, Building 59, which is operated under Prime Contract DE-AC02-05CH11231 with the U.S. Department of Energy (“DOE”), as described herein. It is the University’s intent that this solicitation will result in the award of a Subcontract based on the Sample Subcontract and its Incorporated Documents included in this solicitation.

The University will review the Statements of Qualifications deemed responsive and responsible, and will determine, solely at its own discretion, a list of potential Offerors deemed highest-qualified to perform the Commissioning Services outlined in this Solicitation. Potential Offerors deemed highest-qualified will be invited to attend an interview, make a presentation, and respond to questions allowing the University to further evaluate relevant and applicable experience, qualifications, and capabilities with respect to performance of the Commissioning Services.

Following the interviews, the University will determine, solely at its own discretion, the highest-ranked Offeror, and the University will issue a Request For Proposal (RFP) to the highest-ranked Offeror.

This solicitation is governed by procurement policies and procedures established under the University's Prime Contract with the U.S. Government. All contact with the University regarding this solicitation shall be directed through the University Procurement Representative:

Rob Kawamura
510-495-2724
rkawamura@lbl.gov

2. FUNDING

Funding has been allocated for the portion of the Commissioning Services anticipated to be required during the design phase. Funding for subsequent phase(s) of the Commissioning Services has been planned, but is subject to the LBNL annual funding allocation process.

3. GENERAL CONTEXT

The objective of the NERSC9 Facilities Upgrade Project is to construct and install additional facilities infrastructure in support of the mission requirements of the Department of Energy’s Office of Science. The facility currently houses High Performance Computers (HPC) and the upgrades are required for a new system planned for installation in 2020. In addition to the



Commissioning Services contract associated with this SOQ, the University intends to award a CM/GC contract for the delivery of the Facilities Infrastructure Upgrades. The NERSC9 Facilities Upgrade Project scope includes two distinct tasks:

- A. Facilities Enhancements (FE) includes construction of additional cooling towers, pumps, heat exchangers, air handling units, exhaust fans, electrical substations and distribution equipment. A standby generator and UPS may also be included.
- B. Site Preparations (SP) – final electrical and mechanical distribution systems and power terminations of the High Performance Computers.

Each task will be performed in two phases: Phase 1) pre-construction services, and Phase 2) construction.

The CM/GC Scope of Services, Project Description, Drawings and Technical Specifications are provided with this solicitation for reference.

4. COMMISSIONING SERVICES

The Commissioning Services shall include a preconstruction phase as well as a construction & commissioning phase. Functioning as the third party Commissioning Authority, the selected Commissioning Team shall review design documents to ascertain performance and operational test requirements. Pre-construction services shall include development of a Commissioning Plan to test and evaluate system performance both individually and collectively against the approved design criteria. Functional performance tests shall be developed by the Commissioning Authority during the construction phase. The Commissioning Authority shall also lead the implementation of those tests. Results shall be recorded and corrective actions initiated when required.

It is anticipated the Commissioning Services will commence in January 2017 and would complete post-occupancy, with next season functional tests, anticipated in 2021.

COMMISSIONING AUTHORITY SELECTION SCHEDULE

The anticipated selection schedule is approximated below. Changes to the schedule may be made at the University's sole discretion and in a manner allowing fairness and integrity of the selection process. The University reserves the right to terminate the selection process at any time or change any of the dates below:

11/18/16	Request For Qualifications issued and advertised
11/29/16	Statements of Qualifications submitted by interested Commissioning Teams
12/16/16	Highest qualified Commissioning Teams interviewed by the University
01/06/17	Fee Proposal submitted by highest-ranked Commissioning Team
01/23/17	Commencement of Commissioning Services



5. AMENDMENTS

If necessary, the University will provide supplementary information in amendment form with specific instructions. Amendments will be posted on the LBNL Facilities website:

<http://facilitiesprojects.lbl.gov/>

Potential Offerors are encouraged to check the website periodically to obtain any new postings. Offeror's SOQ shall include acknowledgement of all Amendments issued by the University, itemized by amendment number and date.

6. STATEMENT OF QUALIFICATIONS

Potential Offeror's response to this Request For Qualifications will be the basis for the University's initial evaluation of relevant and applicable qualifications and capabilities, and its determination of the most-qualified Commissioning Team(s). Offeror's Statement of Qualifications must include a cover letter identifying the Offeror's name and address, and the name(s), title(s), telephone number(s), and e-mail address(s) of the individuals in Offeror's organization who have commitment authority on behalf of Offeror and will be responsible for contractual negotiations and administration of any resultant Subcontract. The cover letter must also identify the name and address of any firms with which Offeror will partner in order to assemble the Commissioning Team capable of providing the complete scope of services.

Offer's authorized representative must complete, sign, and submit the RFQ 330 Response Form provided with this Solicitation. Your Standard Form 330 may also be submitted in order to provide descriptions, details, and additional relevant information. LBNL will check references if necessary to evaluate past performance and experience. Offeror's SOQ must include for each proposed engineer the contact information for LBNL to verify experience. Contact information shall include reference's name, name of firm with then, name of firm with now (if different), current phone number, and e-mail address.

Required Attributes. Offeror's SOQ must demonstrate that the proposed Commissioning Authority meets or exceeds the following required attributes:

- A. Commissioning Team must include at least one each of the following professional engineers, licensed by the state of California:
 - Mechanical
 - Electrical
- B. Proposed Commissioning Team must have experience commissioning the following building systems:
 - HVAC Systems and all integral equipment controls
 - *Automated Logic Controls (ALC)* Facilities Monitoring and Control System



- Electrical Systems
- Fire Protection Systems
- Fire Alarm Systems

Desired Attributes. The University has identified desired attributes listed below, which are the *qualitative* criteria that the University will use for the *subjective* evaluation of the SOQs. These desired attributes are not listed in order of importance and no desired attribute is more important than another. Offeror's SOQ should identify, describe, and discuss how experience, qualifications, and capabilities of proposed engineers and other team members align with the desired attributes listed below, highlighting any aspects which separate the Offeror from its competitors. Offeror's SOQ should describe and discuss desired attributes that the Offeror considers important to successful performance of the Commissioning Services. The Offeror's SOQ should discuss problems encountered and corrective actions taken on previous similar projects. Offeror's SOQ may identify and discuss other proposed attributes it believes may be of value to LBNL. If LBNL agrees, they will be considered in the evaluation process. In all cases, the University will assess the value of each proposed attribute as submitted.

- A. Relevant and applicable experience, qualifications, and capabilities for each proposed engineer and other proposed team members demonstrated through inclusion of resumes or experience portfolios in the SOQ.
- B. Engineers with experience within the past ten (10) years commissioning at least three (3) data center facilities.
- C. Proposed Commissioning Team with experience commissioning the following building systems:
 1. HVAC Systems and all integral equipment controls
 - a. Cooling water systems (cooling towers, filtration systems, chemical treatment, piping, pumps)
 - b. Air Handlers
 - c. Hydronic piping
 2. Facilities Monitoring and Control System
 - a. *Automated Logic Controls* (ALC)
 3. Electrical Systems
 - a. Standby and/or emergency generators and automatic transfer switches
 - b. Uninterruptible power supply system
 - c. Integrated system shutdown (EPO)
 - d. Electrical distribution equipment, including power transformers, switchboards, panel boards and branch circuit distribution.
 4. Fire Sprinkler Systems
 5. Fire Alarm Systems



- D. Individuals comprising the proposed Commissioning Team with experience commissioning projects:
1. Subject to ASHRAE Guideline 0 – 2013 (or most current version) – The Commissioning Process
 2. Subject to ASHRAE Guideline 1.1-2007 (or most current version) – HVAC&R Technical Requirements for the Commissioning Process
 3. Subject to CCR Title 24 Requirements
 4. For the University of California (UC), Lawrence Berkeley National Laboratory and/or the Department of Energy (DOE)
- E. Proposed Commissioning Team members with experience working on projects together
- F. Proposed hourly billing rates for each Individual Team Member in line with the local market for similar services and comparable to rates currently being paid by the University for similar services.

Deadline. Offerors must submit their Statement of Qualifications **VIA E-MAIL** no later than **2:00 pm Pacific Time, Tuesday, November 29, 2016** to the University Procurement Representative:

Rob Kawamura
Lawrence Berkeley National Laboratory
One Cyclotron Road, Mail Stop 076-0225
Berkeley, CA 94720
510-495-2724
rkawamura@lbl.gov and cc: sswanson@lbl.gov

Content. Offerors must include the following:

- Cover Letter
- Statement of Qualifications
- Completed RFQ 330 Response Form Parts Ia, Ib, II, III, and IV, with applicable attachments
- Completed Representation and Certification form

There will be no public opening of SOQs.

The University retains the right to waive informalities or irregularities associated with this Solicitation. Acceptance of late responses will be at the University's sole discretion. Responses that do not comply with the instructions in this Solicitation or that contain incomplete, inaccurate, or non-responsive information may be disqualified from consideration at the sole



discretion of the University. Faxes will not be accepted.

The University assumes no obligation, responsibility or liability to reimburse all or part of the costs incurred by parties considering a response to and/or responding to this Solicitation. All such costs shall be borne solely by each Commissioning Team. The University reserves the right to cancel, withdraw, postpone or extend this Solicitation in whole or in part at any time prior to execution of a definitive agreement by the University without the University incurring any obligation of liabilities.

By submitting a response to this Solicitation, potential Offerors accept the evaluation process and acknowledges and accepts that the ranking of firms will require subjective judgment by the University.

7. PROPRIETARY INFORMATION

The University prefers not to receive proprietary technical information. If the response to this Solicitation includes any proprietary technical information, it must be marked "Proprietary" or equivalent. The University will use its reasonable efforts to (1) maintain such proprietary information in confidence, giving it the same degree of care, but no less than a reasonable degree of care, as it exercises with its own proprietary information to prevent its unauthorized disclosure; and (2) only disclose such proprietary information to its employees, agents, consultants, subcontractors or Government personnel who have a need to know in order to achieve the goals stated within this Solicitation.

The California Public Records Act limits the University's ability to withhold qualification data. The University agrees that if a "Public Records Act" request is made for disclosure of data marked "Proprietary" or equivalent, it will notify the submitter of such data so that the submitter will have an opportunity to legally challenge the University's obligation to disclose such information. The University will not return submittals.

8. REQUIREMENTS AFTER RESPONSE

Any potential Offeror may be required to submit additional information, which allows the University to make a more informed decision while evaluating SOQs. All potential Offerors will be notified whether or not they remain in contention after the University evaluates the Statements of Qualifications.

9. NOTICE OF SMALL BUSINESS SET-ASIDE

Proposals are solicited only from small business concerns, as that term is defined in FAR Subpart 2.1. Any proposals from Offerors that are not small business concerns will not be considered, and any award(s) resulting from this solicitation will be made to a small business concern.

Offeror must complete the attached Representation and Certification form and return it with their submission (see *Attachment 1 - Representations and Certifications*). The applicable size standard for this opportunity is \$15 million, as prescribed by the U.S. Small Business Administration for NAICS Code 541330, description: Engineering Services. To verify a firm is



a small business, the firm's gross receipts, and any other company affiliated with the firm, must have a "total income" (or in the case of a sole proprietorship "gross income") that averaged \$15 million or less over the last three (3) completed fiscal years.

10. Incorporated Documents

Incorporated in this Solicitation are the following attachments:

- NERSC 9 Project Description (provided to inform Offerors of the CM/GC's scope of work)
- N9 Facilities Upgrade Project - CM/GC Scope of Services (provided to inform Offerors of the CM/GC's scope of work)
- Building 59 Facility Enhancement and Add Alternates 1 & 2 - 100% Design Development Drawings by CEG, Inc., dated 7/20/2016 – for review (57 sheets)
- Building 59 Site Preparation - 100% Design Development Drawings by CEG, Inc., dated 7/20/2016 – for review (34 sheets)
- Technical Specifications
 - a) Section 010000 - General Requirements – dated 06/16/2016
 - b) Section 019113 – General Commissioning Requirements
 - c) Section 019113 - Supplement 1 Representative Construction Checklist – Revised 09/08
 - d) Section 019113 - Supplement 2 Sample Test – Revised 09/08
 - e) Section 019113 - Supplement 3 Responsibilities Table – Revised 08/14/15
 - f) Section 019113 - Supplement 4 Sample Sequence of Operations – Revised 09/08
- Sample Subcontract
- RFQ 330 Response Form
- Representation and Certification form